

Title (en)  
TACTILE SENSING MEANS

Publication  
**EP 0133997 A3 19860326 (EN)**

Application  
**EP 84109188 A 19840802**

Priority  
JP 14103083 A 19830803

Abstract (en)  
[origin: EP0133997A2] Tactile sensing means for detecting a tactile sense with an object to-be-handled, comprising a plurality of pressure sensing devices (3, 4), a processor (6) which processes outputs of the pressure sensing devices (3, 4), and a touch device (5, 5A) which contacts with the respective pressure sensing devices (3, 4) in common, whereby information items on a pressure sense, a viscosity sense and a slip sense are simultaneously detected with the outputs of the pressure sensing devices (3, 4) which vary depending upon a direction and a magnitude of a force acting on the touch device (5,5A).

IPC 1-7  
**G01L 5/22; G01L 5/16**

IPC 8 full level  
**B25J 19/02** (2006.01); **G01D 5/14** (2006.01); **G01L 1/16** (2006.01); **G01L 1/18** (2006.01); **G01L 5/00** (2006.01); **G01L 5/16** (2006.01); **G01L 5/22** (2006.01)

CPC (source: EP US)  
**G01L 1/16** (2013.01 - EP US); **G01L 1/18** (2013.01 - EP US); **G01L 5/167** (2013.01 - EP US); **G01L 5/228** (2013.01 - EP US)

Citation (search report)  
• [A] FR 2211137 A5 19740712 - SAGEM [FR]  
• [A] US 3640130 A 19720208 - SPESCHA GELLI, et al

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US5263375A; US5392658A; US5437196A; US5295386A; EP0594534A1; US5365799A; EP0549807A4; EP0516932A1; EP1666217A4; CN110108395A; US6053057A; US5421213A; US5639973A; US5811693A; US6158291A; US7549688B2; US6185814B1; US6512364B1; US7578162B2; US6864677B1; US6894482B2; EP0333872B1; US7059188B2; US6941810B2; US6865943B2; US6282956B1; US6314823B1; US6477903B2; US6716253B2; US6779408B2; US7152485B2

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**EP 84109188 A 19840802**; CA 459994 A 19840730; DE 3484082 T 19840802; JP 14103083 A 19830803; US 63629684 A 19840731